DASOM AHN | RESUME

Computer Engineering (Artificial intelligence)

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Summary

I am a Ph.D. student in the Department of Computer Science and Engineering at Keimyung University. I am interested in computer vision and deep learning, and doing research.

Education

Philosophy Doctor - Keimyung University   2023 -

· Ph.D. Student in computer engineering (Artificial intelligence)

Master of Science - Keimyung University   2021 - 2023

· M.S. in computer engineering (Artificial intelligence)

Bachelor of Science - Keimyung University   2013 - 2018

· B.S. in Computer Engneering

Research Interests

Deep Learning, Computer Vision, Video Understanding, Energy-based Models, Explainable AI, Visuomotor Policy

Professional Service

- Reviewer — CVPR, ICLR, ECCV

Papers

Conference

Flow-Guided Policies: Overcoming Diffusion Limitations for Robust Robot Imitation Learning
Chanhyuk Jung, Sangwon Kim, Kwang-Ju Kim, **Dasom Ahn**, Joonki Baek, Sungkeun Yoo, Byoung Chul Ko   ICCVW 2025

EQ-CBM: A Probabilistic Concept Bottleneck with Energy-based Models and Quantized Vectors
Sangwon Kim, **Dasom Ahn**, Byoung Chul Ko, In-su Jang, Kwang-Ju Kim   ACCV 2024

Scene Graph Generation Strategy with Co-occurrence Knowledge and Learnable Term Frequency
Hyeongjin Kim, Sangwon Kim, **Dasom Ahn**, Jong Taek Lee, Byoung Chul Ko   ICML 2024

Cross-Modal Learning with 3D Deformable Attention for Action Recognition
Sangwon Kim, **Dasom Ahn**, Byoung Chul Ko

ICCV 2023

STAR-Transformer: A Spatio-temporal Cross Attention Transformer for Human Action Recognition
Dasom Ahn, Sangwon Kim, Hyunsu Hong, Byoung Chul Ko

WACV 2023

Shift-ViT: Siamese Vision Transformer using Shifted Branches
Dasom Ahn, Hyeongjin Kim, Sangwon Kim, Hyunsu Hong, Byoung Chul Ko

ITC-CSCC 2022

Journal

LAttE: A Label-Free and Multimodal Framework for Context-Aware Person Re-Identification
Dasom Ahn, Sangwon Kim, Kwang-Ju Kim, Byoung Chul Ko

Neurocomputing 2025

Interpretable Information Visualization for Enhanced Temporal Action Detection in Videos
Dasom Ahn, Jong-Ha Lee, Byoung Chul Ko

IEEE Access 2024

BTD-RF: 3D Scene Reconstruction Using Block-Term Tensor Decomposition
Seon Bin Kim, Sangwon Kim, **Dasom Ahn**, Byoung Chul Ko

Applied Intelligence 2024

STAR++: Rethinking Spatio-Temporal Cross Attention Transformer for Video Action Recognition
Dasom Ahn, Sangwon Kim, Byoung Chul Ko

Applied Intelligence 2023

Honors and Awards

2022 Best Paper
2022

· The Institute of Electronics and Information Engineers - S.Korea

2016 Best Paper
2016

· Korean institute of information scientists and engineers and WISET - S.Korea

Patents

IMAGE CLASSIFICATION METHOD AND APPARATUS BY SIAMESE VISION TRANSFORMER USING SHIFTED BRANCHES
Byoung Chul Ko, **Dasom Ahn**, Sangwon Kim

2025

VISION TRANSFORMER-BASED FACIAL EXPRESSION RECOGNITION APPARATUS AND METHOD
Byoung Chul Ko, **Dasom Ahn**

2025

SPATIO-TEMPORAL CROSS ATTENTION TRANSFORMER SYSTEM AND METHOD FOR HUMAN ACTION RECOGNITION
Byoung Chul Ko, **Dasom Ahn**

2024